## What we claim is:

1. A catheter braid formed from at least two continuous wires woven together, the catheter braid comprising:

a proximal braid section in which each of the continuous wires has a proximal cross-sectional area; and

a distal braid section in which each of the continuous wires has a distal crosssectional area;

wherein for each continuous wire, the distal cross-sectional area of said continuous wire is less than the proximal cross-sectional area of said continuous wire.

- 2. The catheter braid of claim 1, wherein each of the at least two continuous wires has a proximal portion corresponding to the proximal braid section and a distal portion corresponding to the distal braid section, where the proximal portion of each continuous wire has a cross-sectional area equal to the proximal diameter and the distal portion of each continuous wire has a cross-sectional area equal to the distal diameter.
- 3. The catheter braid of claim 2, wherein each of the at least two continuous wires is formed, prior to weaving, with the proximal portion having the proximal cross-sectional area and the distal portion having the distal cross-sectional area.
- 4. The catheter braid of claim 2, wherein each of the at least two continuous wires is formed with the proximal portion and the distal portion each having cross-

sectional areas equal to the proximal cross-sectional area, and the distal portion is subsequently reduced in cross-sectional area to equal the distal cross-sectional area.

- 5. The catheter braid of claim 4, wherein the distal portion is etched subsequent to weaving the braid to reduce the cross-sectional area of the distal portion to equal the distal cross-sectional area.
- 6. The catheter braid of claim 1, wherein the distal cross-sectional area is about one-third less than the proximal cross-sectional area.
- 7. The catheter braid of claim 2, wherein the wire has a round cross-sectional area with the proximal portion of the wire having a diameter of about 1.5 millimeters and the distal portion of the wire having a diameter of about 1.0 millimeters.
- 8. The catheter braid of claim 1, wherein each of the continuous wires comprises stainless steel.
- 9. The catheter braid of claim 2, wherein each of the continuous wires has a rectangular or square cross section.
- 10. A catheter having a distal end and a proximal end, the catheter having a distal region proximate the distal end, the catheter comprising:

an inner layer extending from the distal end to the proximal end; and

a reinforcing braid layer disposed over the inner layer, the braid layer formed from at least two continuous wires woven together, the braid layer comprising a proximal braid section in which each of the continuous wires has a proximal cross-sectional area, and a distal braid section in which each of the continuous wires has a distal cross-sectional area;

wherein the distal cross-sectional area of each of the continuous wires is less than the proximal cross-sectional area of each of the continuous wires.

- 11. The catheter of claim 10, wherein the distal braid section is proximate the distal region of the catheter.
- 12. The catheter of claim 10, further comprising an outer layer disposed over the reinforcing braid layer.
- 13. The catheter of claim 10, wherein each of the at least two continuous wires has a proximal portion corresponding to the proximal braid section and a distal portion corresponding to the distal braid section.
- 14. The catheter of claim 13, wherein each of the at least two continuous wires is formed with the proximal portion having a cross-sectional area equal to the proximal cross-sectional area and the distal portion having a cross-sectional area equal to the distal cross-sectional area.

- 15. The catheter of claim 13, wherein each of the at least two continuous wires is formed with the proximal portion and the distal portion each having cross-sectional areas equal to the proximal cross-sectional area, and the distal portion is subsequently reduced in cross-sectional area to a cross-sectional area equal to the distal cross-sectional area.
- 16. The catheter of claim 15, wherein the distal portion is etched subsequent to weaving the braid to reduce the cross-sectional area of the distal portion to the distal cross-sectional area.
- 17. The catheter of claim 10, wherein the distal cross-sectional area is about one-third less than the proximal diameter.
- 18. The catheter of claim 13, wherein the wire has a round cross-sectional area with the proximal portion of the wire having a diameter of about 1.5 millimeters and the distal portion of the wire having a diameter of about 1.0 millimeters.
- 19. The catheter of claim 10, wherein each of the continuous wires includes a square or rectangular cross-sectional area.
- 20. A method of forming a catheter having a distal end and a proximal end, the catheter comprising an inner layer and a braid layer, the method comprising the steps of:

forming the braid layer by weaving at least two continuous wires, the braid layer having a proximal section in which each of the wires has a proximal cross-sectional area and a distal section in which each of the wires has a distal cross-sectional area that is less than the proximal cross-sectional area; and

positioning the braid layer over the inner layer.

- 21. The method of claim 20, further comprising a step of securing an outer layer over the braid layer.
- 22. The method of claim 20, wherein each of the at least two continuous wires has a proximal portion corresponding to the braid proximal section and a distal portion corresponding to the braid distal section.
- 23. The method of claim 22, wherein each of the at least two continuous wires is formed with the proximal portion having the proximal cross-sectional area and the distal portion having the distal cross-sectional area prior to weaving.
- 24. The method of claim 22, wherein each of the at least two continuous wires is formed with the proximal portion and the distal portion each having the proximal cross-sectional area, and the distal portion is subsequently reduced in cross-sectional area to the distal cross-sectional area.

25. The method of claim 24, wherein the distal portion is etched subsequent to weaving the braid in order to reduce the cross-sectional area of the distal portion to the distal cross-sectional area.